

AMY-110-W

~36° wide beam

SPECIFICATION:

Dimensions	Ø 109.7
Height	17.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

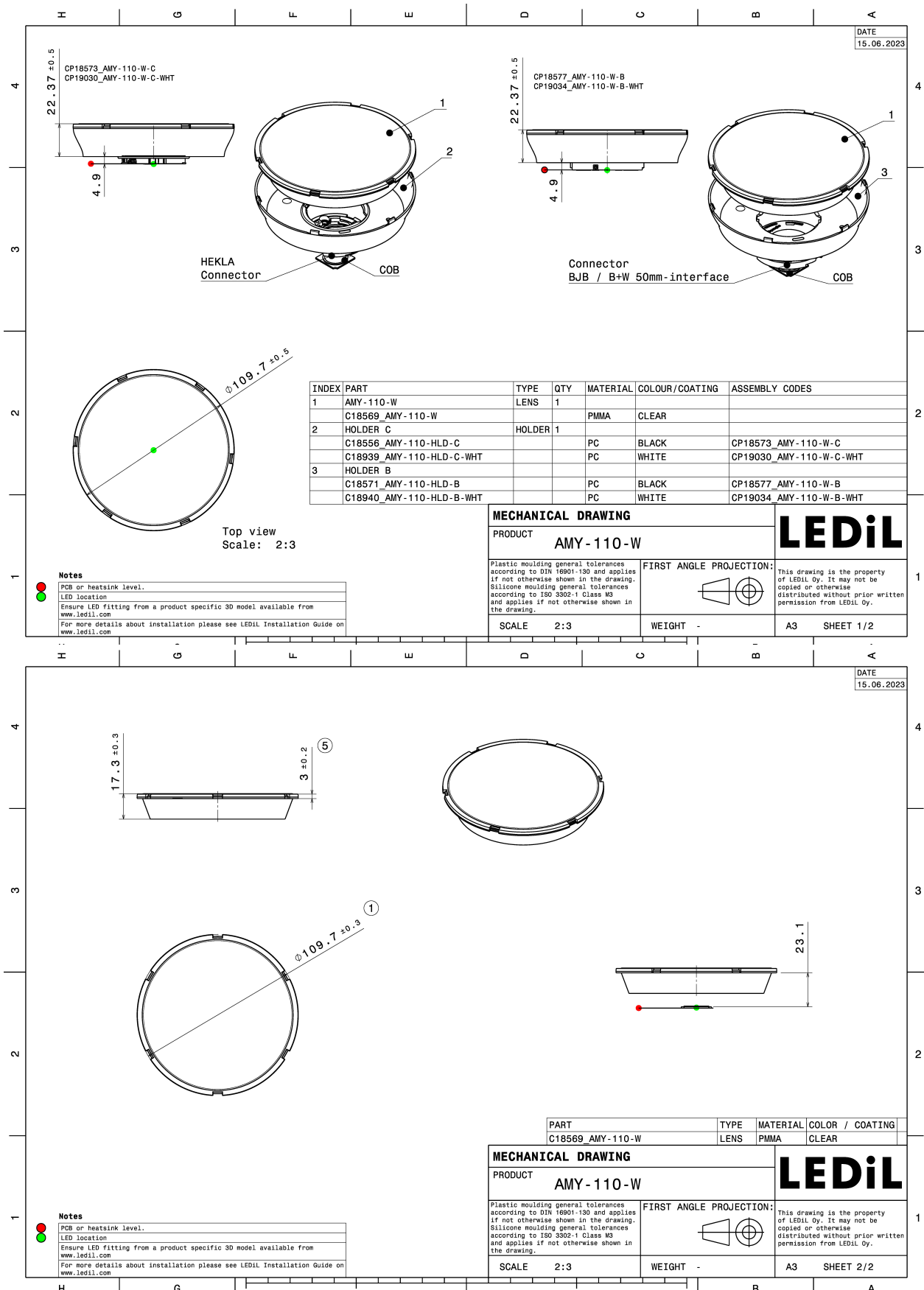
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-110-W	Single lens	PMMA	clear		
AMY-110-HLD-C	Holder C	PC	black		
AMY-110-HLD-B	Holder B	PC	black		
AMY-110-HLD-C-WHT	Holder C	PC	white		
AMY-110-HLD-B-WHT	Holder B	PC	white		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18569_AMY-110-W	128	128	8	11.3
Assembly				
CP19034_AMY-110-W-B-WHT	77	77	7	8.4
CP19030_AMY-110-W-C-WHT	77	77	7	0.0
CP18577_AMY-110-W-B	77	77	7	8.3
CP18573_AMY-110-W-C	77	77	7	8.6

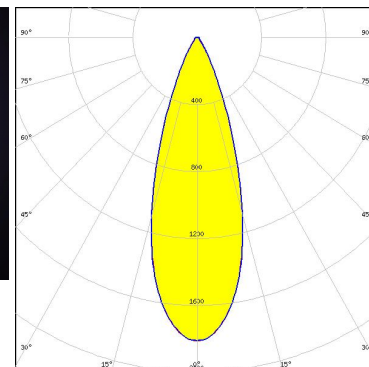
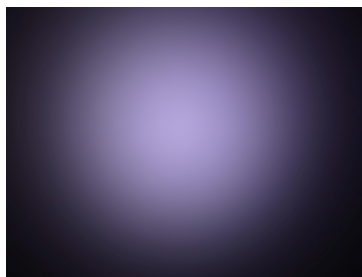


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



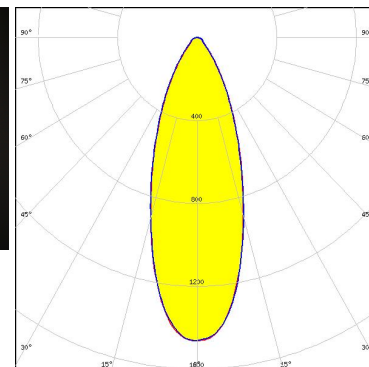
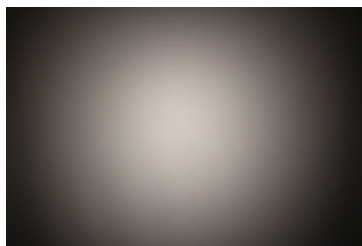
LED BXR-V-D10-RGBW2000-A3
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 34.0° / 60.0°
Efficiency 76 %
Peak intensity 1.8 cd/lm
LEDs/each optic 28
Light colour/type RGBW
Required components:
 C19950_HEKLA-SOCKET-RZ



Light distribution files

CITIZEN

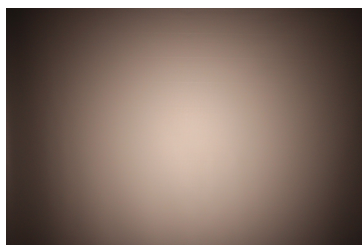
LED LCN-C07A
Ordering code C18569_AMY-110-W
FWHM / FWTM 37.0° / 76.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED LCN-C08A
Ordering code C18569_AMY-110-W
FWHM / FWTM 38.0° / 84.0°
Efficiency 85 %
LEDs/each optic 1
Light colour/type White
Required components:

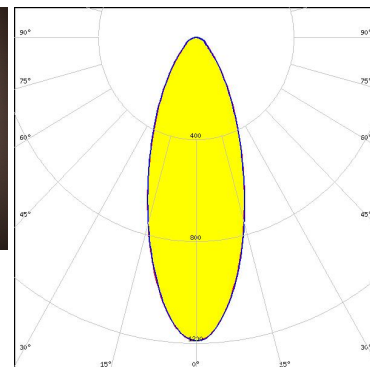
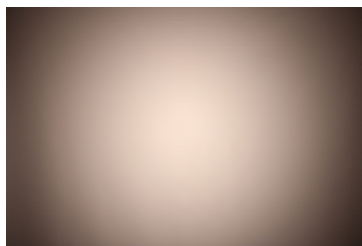


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

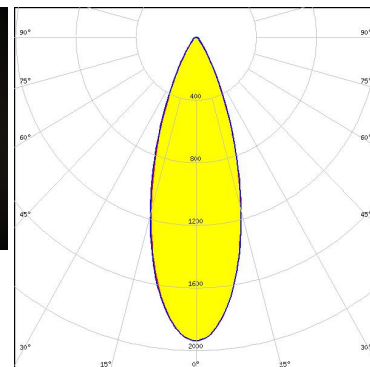
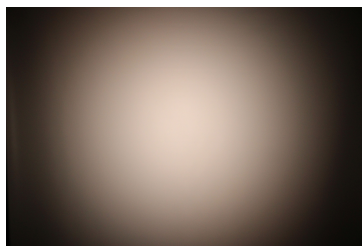
LED LCN-C09A
 Ordering code C18569_AMY-110-W
 FWHM / FWTM 38.0° / 86.0°
 Efficiency 84 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CTM-14 (Tunable White) Gen2
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 35.0° / 63.5°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8

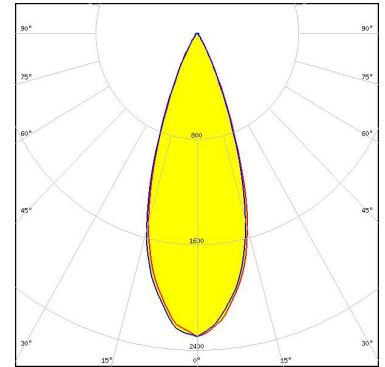


Light distribution files

OPTICAL RESULTS (SIMULATED):



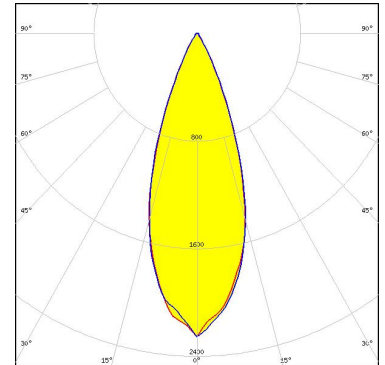
LED V10 Gen 8-9
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 58.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



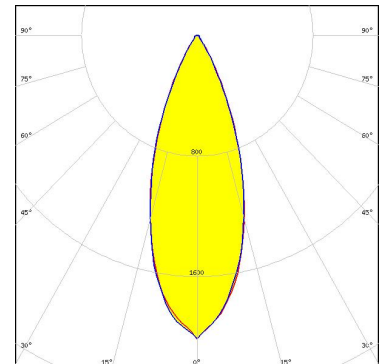
LED V11 HD Gen 8
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 59.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED V13 Gen 8-9
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 63.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I

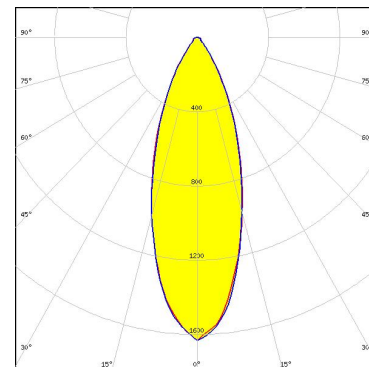


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED V18 Gen 8-9
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 71.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

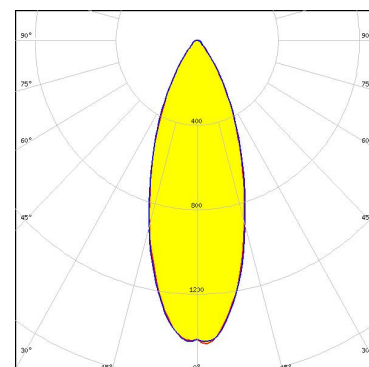


Light distribution files

Bender Wirth: 462 Typ L8



LED V22 Gen 8-9
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 38.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

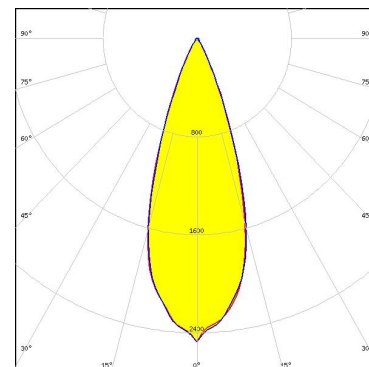


Light distribution files

Bender Wirth: 631b Hekla XL



LED V8 Gen 8-9
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 55.0°
 Efficiency 92 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A

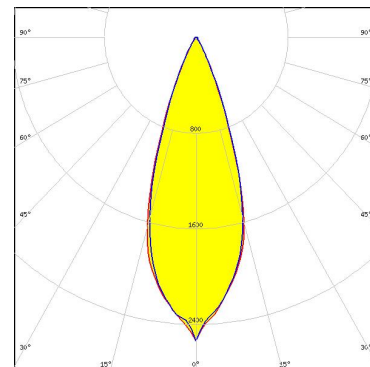


Light distribution files

OPTICAL RESULTS (SIMULATED):



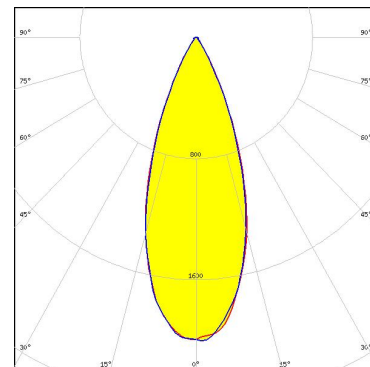
LED V9 HD Gen 8
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 55.0°
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



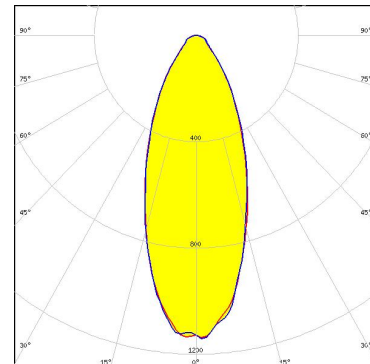
LED Vero SE 10
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 38.0° / 62.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vero SE 29
Ordering code CP19030_AMY-110-W-C-WHT
FWHM / FWTM 40.0° / 86.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

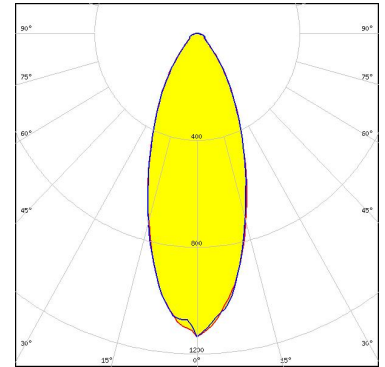


Light distribution files

OPTICAL RESULTS (SIMULATED):



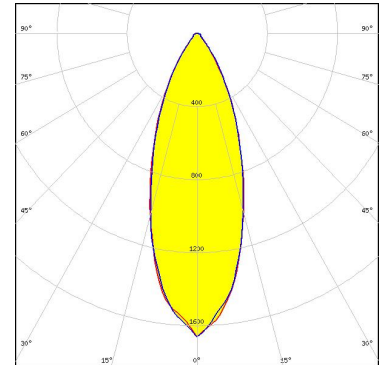
LED: Vero SE 29
 Ordering code: CP18573_AMY-110-W-C
 FWHM / FWTM: 40.0° / 83.0°
 Efficiency: 77 %
 Peak intensity: 1.1 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



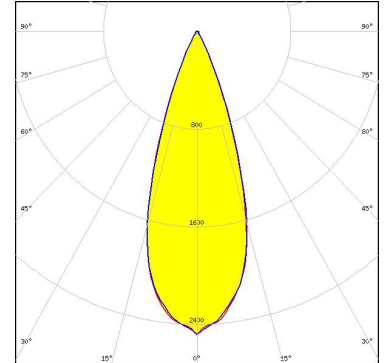
LED: VERO18
 Ordering code: CP18573_AMY-110-W-C
 FWHM / FWTM: 37.0° / 73.0°
 Efficiency: 89 %
 Peak intensity: 1.7 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED: Vesta DTW 13mm (21W)
 Ordering code: CP18573_AMY-110-W-C
 FWHM / FWTM: 36.0° / 54.0°
 Efficiency: 93 %
 Peak intensity: 2.5 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



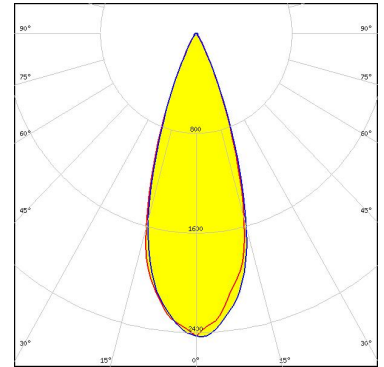
Light distribution files

Bender Wirth: 632b Hekla XL

OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 55.0°
 Efficiency 93 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

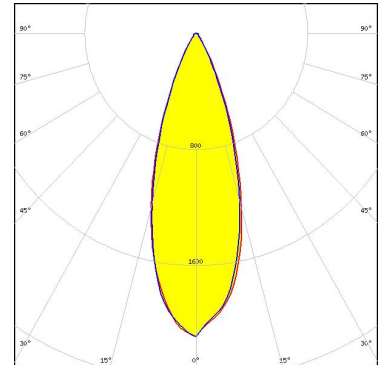


Bender Wirth: 652b Hekla

Light distribution files



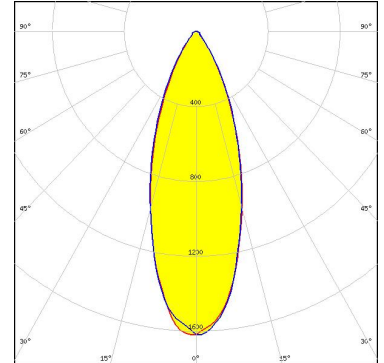
LED Vesta SE 13mm TW
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 34.0° / 60.0°
 Efficiency 86 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta TW 18mm (31W) DP
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 71.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



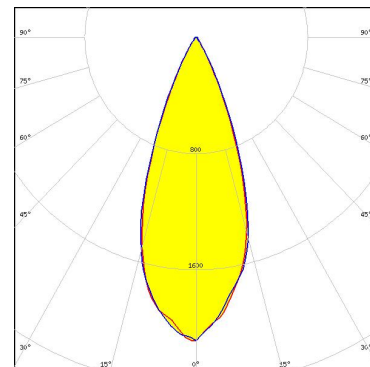
Light distribution files

Bender Wirth: 483 Typ L8

OPTICAL RESULTS (SIMULATED):



LED Vesta TW 9mm (9W) DP
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 39.0° / 60.0°
 Efficiency 93 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

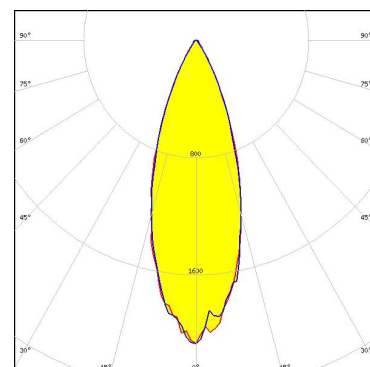


Light distribution files

Bender Wirth: 489 Typ L8

CITIZEN

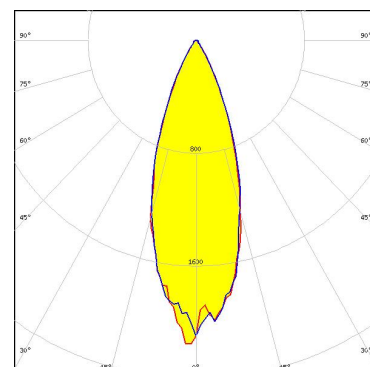
LED CLU03x
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 35.0° / 62.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

LED CLU03x
 Ordering code CP18577_AMY-110-W-B
 FWHM / FWTM 35.0° / 62.0°
 Efficiency 91 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



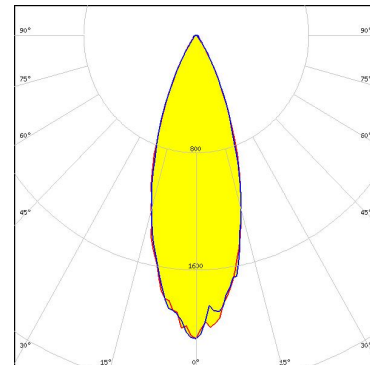
Light distribution files

BJB: 47.319.2021

OPTICAL RESULTS (SIMULATED):

CITIZEN

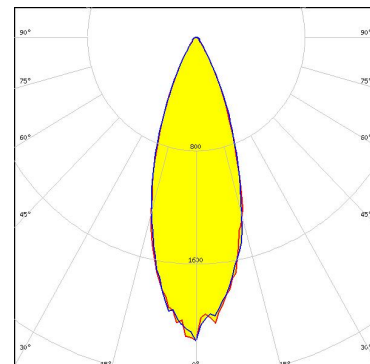
LED CLU03x
 Ordering code C18569_AMY-110-W
 FWHM / FWTM 35.0° / 62.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

LED CLU03x
 Ordering code CP19034_AMY-110-W-B-WHT
 FWHM / FWTM 35.0° / 62.0°
 Efficiency 95 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

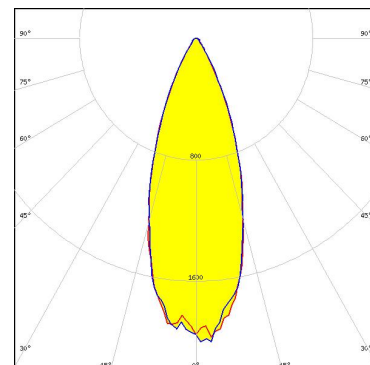


Light distribution files

BJB: 47.319.2021

CITIZEN

LED CLU03x
 Ordering code CP19030_AMY-110-W-C-WHT
 FWHM / FWTM 37.0° / 64.0°
 Efficiency 95 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



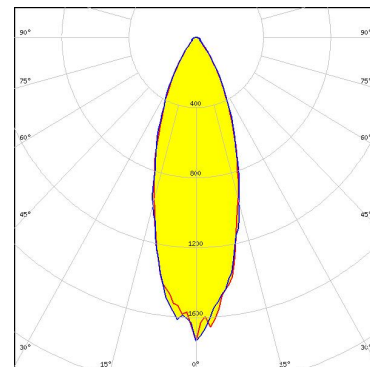
Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU04x
 Ordering code C18569_AMY-110-W
 FWHM / FWTM 34.0° / 71.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

BJB: 47.319.2030

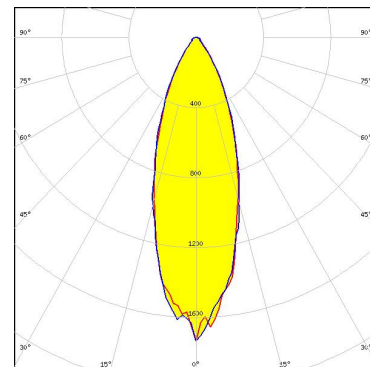


Light distribution files

CITIZEN

LED CLU04x
 Ordering code CP18577_AMY-110-W-B
 FWHM / FWTM 34.0° / 71.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

BJB: 47.319.2030

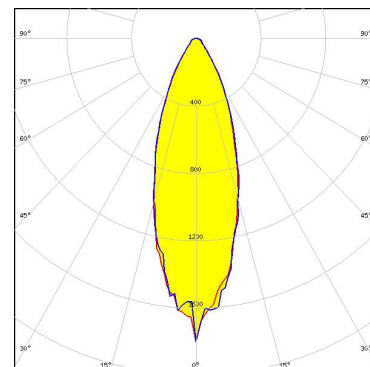


Light distribution files

CITIZEN

LED CLU04x
 Ordering code CP19034_AMY-110-W-B-WHT
 FWHM / FWTM 34.0° / 72.0°
 Efficiency 94 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

BJB: 47.319.2030

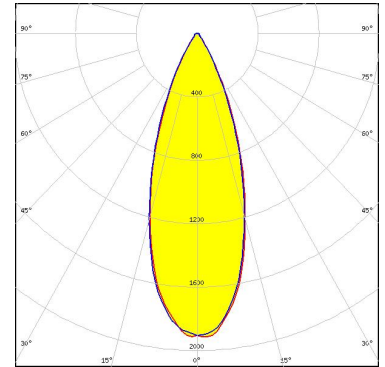


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CMA1840
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 37.0° / 64.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

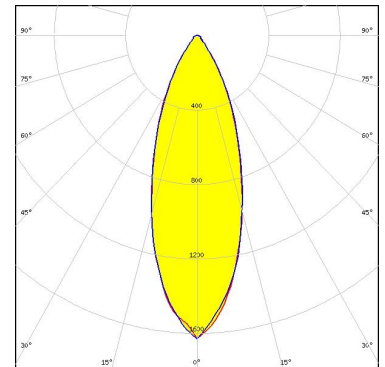


Bender Wirth: 637a Hekla

Light distribution files



LED CMA2550
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 72.0°
Efficiency 85 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

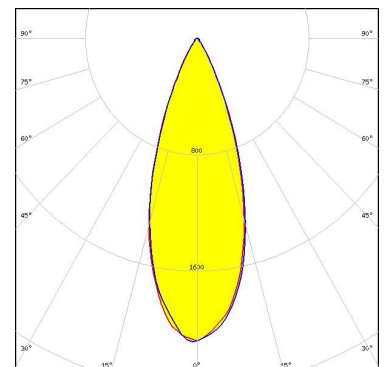


Bender Wirth: 639a Hekla XL

Light distribution files



LED CMB1818-25
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 60.0°
Efficiency 89 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



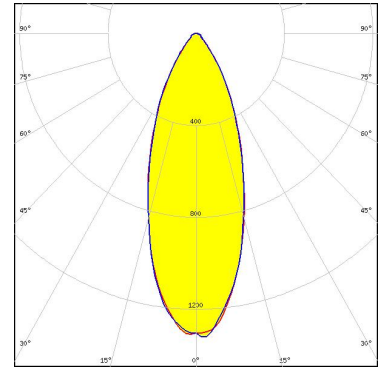
Bender Wirth: 637a Hekla

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CMU22xx
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 38.0° / 78.0°
Efficiency 79 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

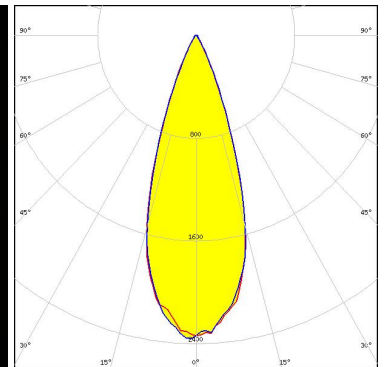
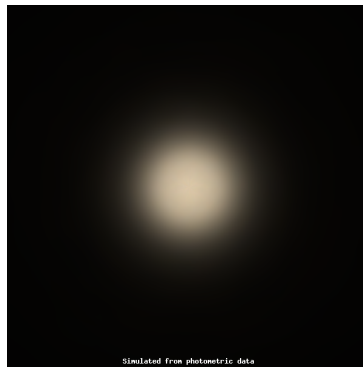


Bender Wirth: 631b Hekla XL

Light distribution files



LED CTW0910
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 56.0°
Efficiency 90 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K

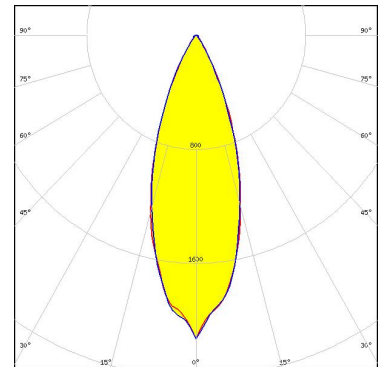


Bender Wirth: 512 Typ L8

Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)
Ordering code CP18573_AMY-110-W-C
FWHM / FWTM 36.0° / 62.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



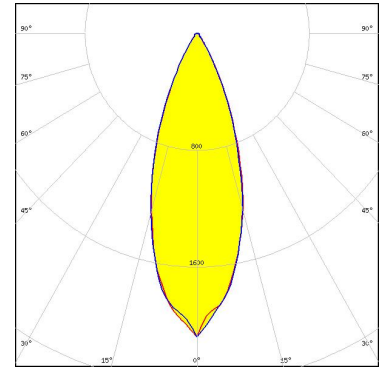
Bender Wirth: 637a Hekla

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 62.0°
 Efficiency 91 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

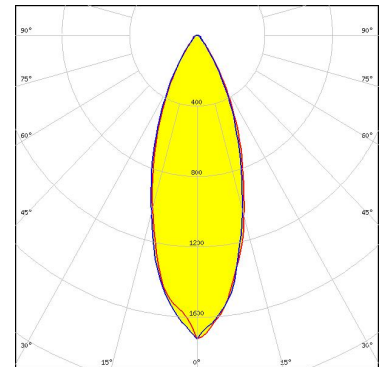


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CoB 1211
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 37.0° / 71.0°
 Efficiency 89 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

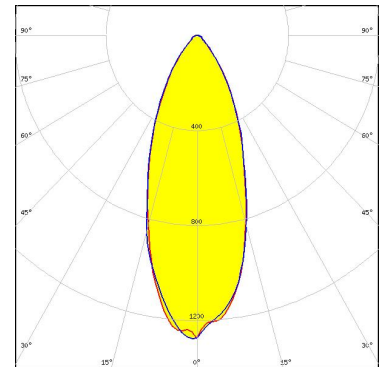


Bender Wirth: 631b Hekla XL

Light distribution files



LED LUXEON CoB 1213/1216/1812
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 39.0° / 81.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



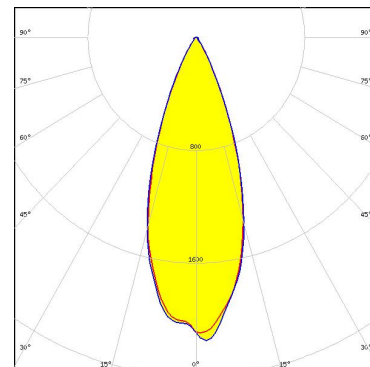
Bender Wirth: 631b Hekla XL

Light distribution files

OPTICAL RESULTS (SIMULATED):



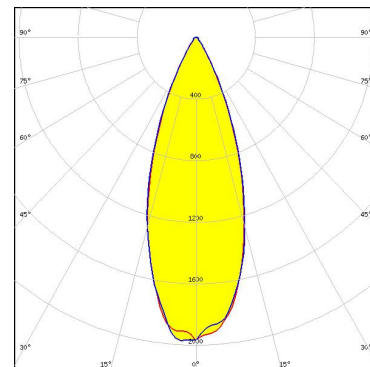
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 60.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED COB J-Type
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 38.0° / 64.0°
 Efficiency 91 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

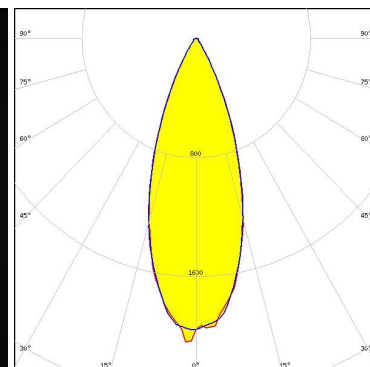
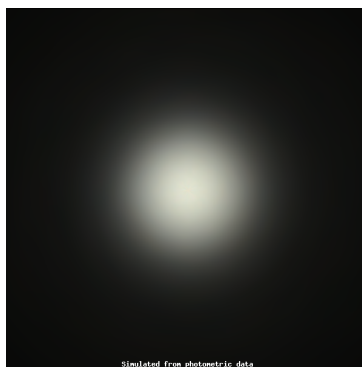


Bender Wirth: 663a Hekla XL

Light distribution files



LED NF1206JLC-V5
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0 + 38.0° / 62.0°
 Efficiency 90 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



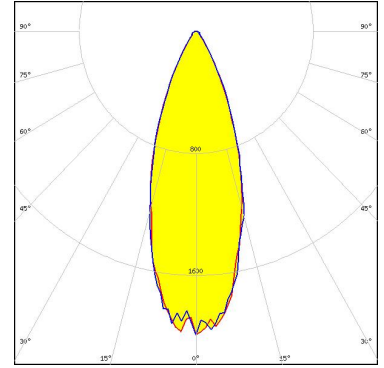
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19034_AMY-110-W-B-WHT
FWHM / FWTM	36.0° / 66.0°
Efficiency	95 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

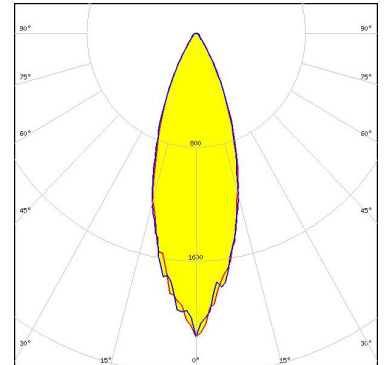
BJB: 47.319.2021



Light distribution files

SAMSUNG

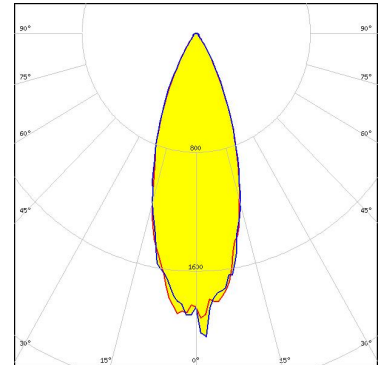
LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19030_AMY-110-W-C-WHT
FWHM / FWTM	34.0° / 65.0°
Efficiency	95 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP18573_AMY-110-W-C
FWHM / FWTM	35.0° / 65.0°
Efficiency	89 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I



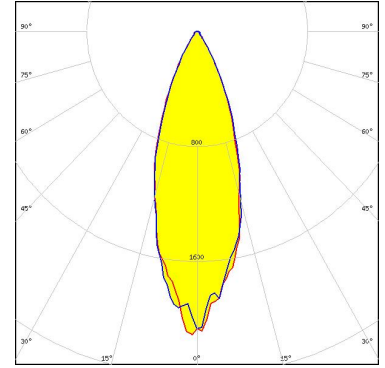
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP18577_AMY-110-W-B
 FWHM / FWTM 34.0° / 64.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

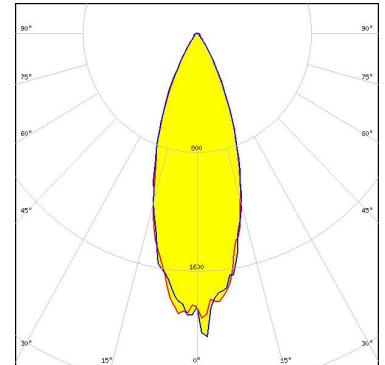
BJB: 47.319.2021



Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code C18569_AMY-110-W
 FWHM / FWTM 35.0° / 65.0°
 Efficiency 89 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

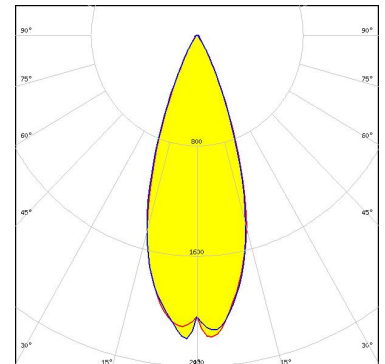


Light distribution files

SAMSUNG

LED LC020T (Tunable white)
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 37.0° / 58.0°
 Efficiency 92 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

Bender Wirth: 501 Typ L8

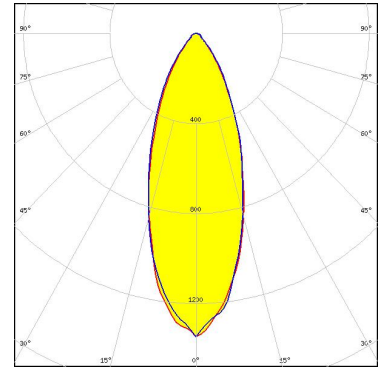


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC040D / LC060D / LC080D
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 38.0° / 79.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

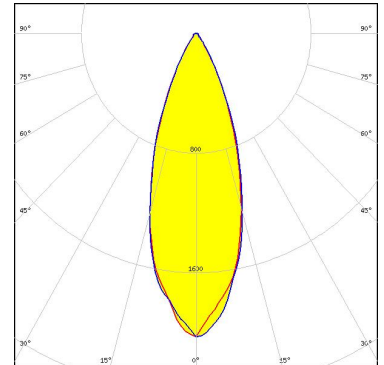


Bender Wirth: 631b Hekla XL

Light distribution files



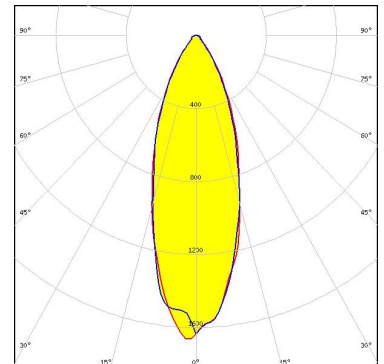
LED MJT COB LES 14.5
 Ordering code CP18573_AMY-110-W-C
 FWHM / FWTM 36.0° / 64.0°
 Efficiency 90 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED MJT COB LES 22
 Ordering code CP18577_AMY-110-W-B
 FWHM / FWTM 35.0° / 73.0°
 Efficiency 88 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



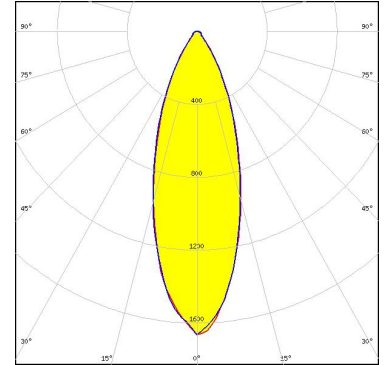
BJB: 47.319.2030

Light distribution files

OPTICAL RESULTS (SIMULATED):

TRIDONIC

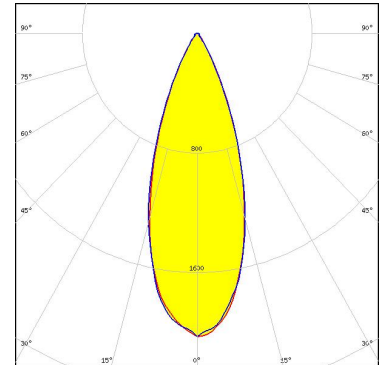
LED	SLE 21mm 5000lm xxx H ADV8
Ordering code	CP18577_AMY-110-W-B
FWHM / FWTM	34.0° / 70.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

TRIDONIC

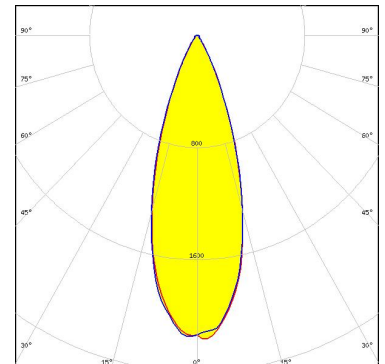
LED	SLE G7 LES13
Ordering code	CP18573_AMY-110-W-C
FWHM / FWTM	36.0° / 62.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	F17438_HEKLA-G2-I



Light distribution files

TRIDONIC

LED	SLE G7 LES13 H
Ordering code	CP18577_AMY-110-W-B
FWHM / FWTM	34.0° / 60.0°
Efficiency	88 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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